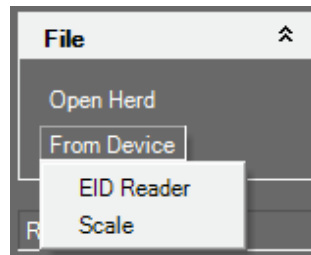


Discussion:

The Upload Devices feature of Cow Sense NxGen Chuteside provides a method to import data saved on an electronic identification (EID) reader or scale indicator and update records in Cow Sense. The EID reader upload is helpful as a way to “mark” (toggle “on” the identity marker field in Cow Sense) all animal records that went through the chute while processing or at load out. The “marked” records could then be used to add mass treatments, breedings, location movements or other functions common to the group of animals. The scale upload provides a method of capturing weights recorded and saved on the scale indicator and updating records in Cow Sense. These may be matched to animal records through either corresponding saved EID’s or saved visual identification (VID’s).

Setup:

1. Connect device (EID Reader or Scale) to your computer. Launch Chuteside and from the sidebar menu to the left select **Settings > Device**. (Refer to Chuteside Devices Video Tutorial and script notes for detailed instruction on this process if needed.)
2. Once your device is connected in Chuteside, from the left sidebar menu, select **File > From Device**. Select either EID reader or scale from the dropdown.



Document Number:

NGG_010

Issue Date: **6/19/2017**

Product: **Cow Sense[®]**

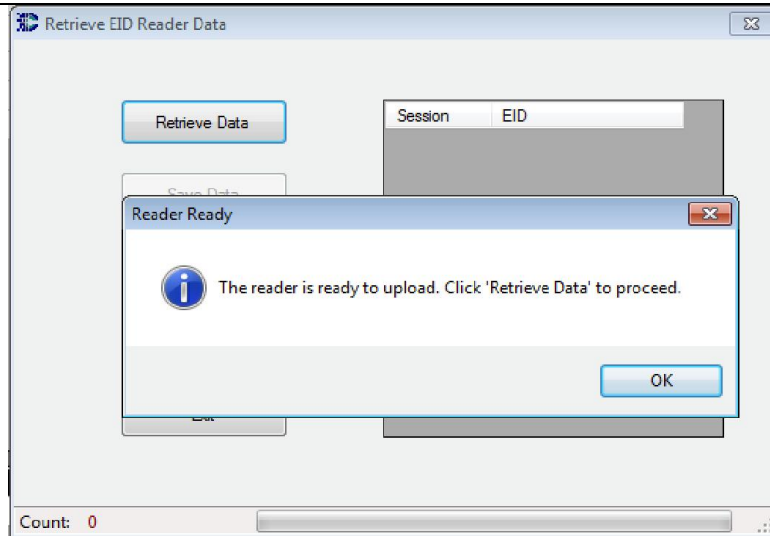
NxGen

Version: **5 and later**

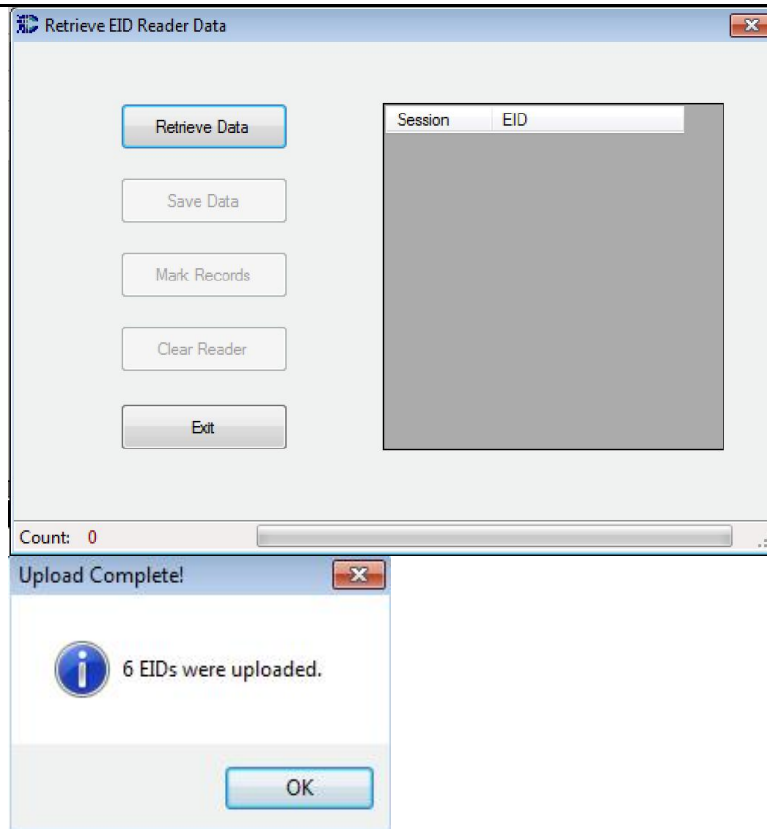
Page: **1 of 9**

EID Reader:

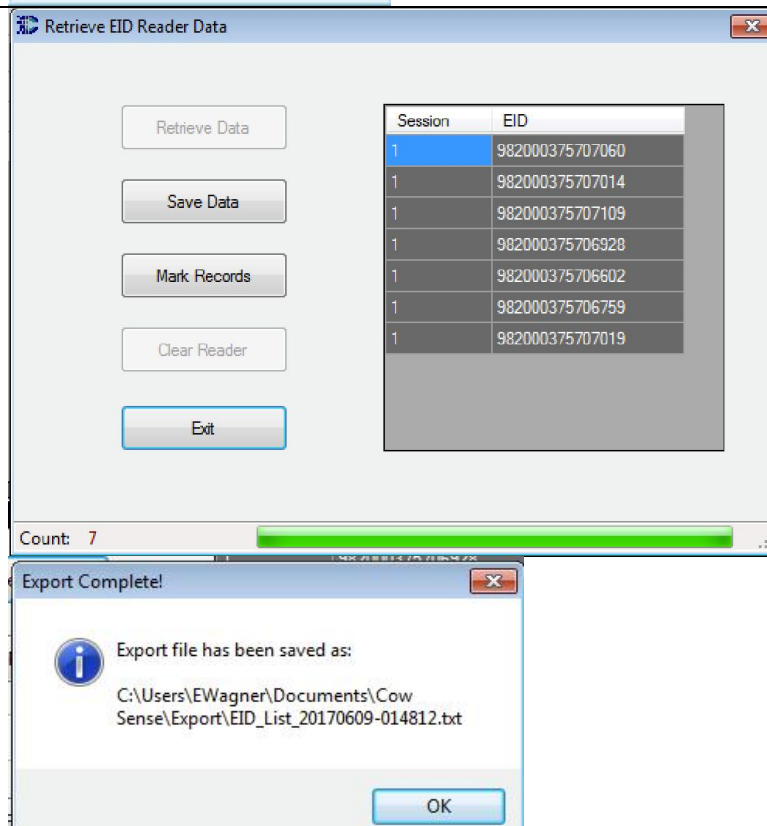
1. A Reader Ready message will appear, indicating the reader is connected and ready to upload data. Choose the **OK** button to proceed to the Retrieve EID Reader Data window.



2. Select the **Retrieve Data** button to upload data saved on the device to Chuteside. An **Upload Complete** message will appear and indicate the number of EIDs that were uploaded. Select the **OK** button to proceed.

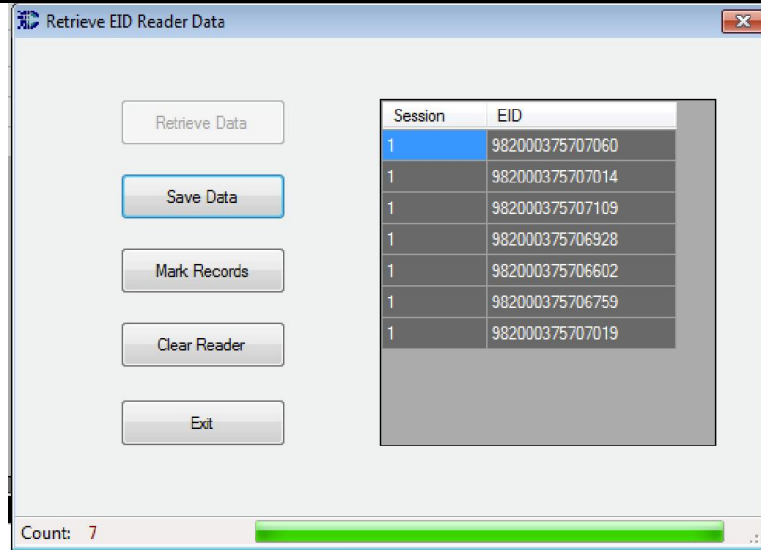


3. Click the **Save Data** button to save the list of EID numbers uploaded from the reader for later review. By default this file will be saved in your documents folder > Cow Sense directory and the exports subfolder. A notification will appear when the export is complete.

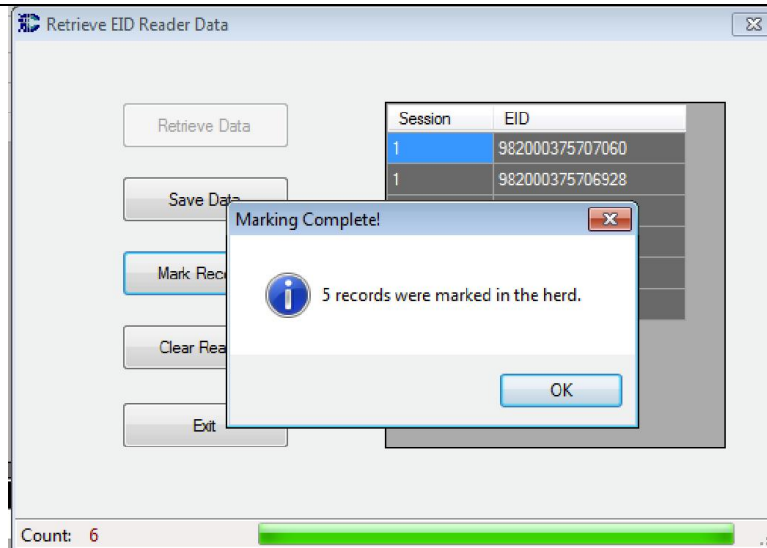


4. Select the **Mark Records** button to “mark” or automatically toggle on the Identity marker flag for all corresponding animal records in Cow Sense (based upon the EIDs stored on the records in Cow Sense that match the data retrieved from the reader).

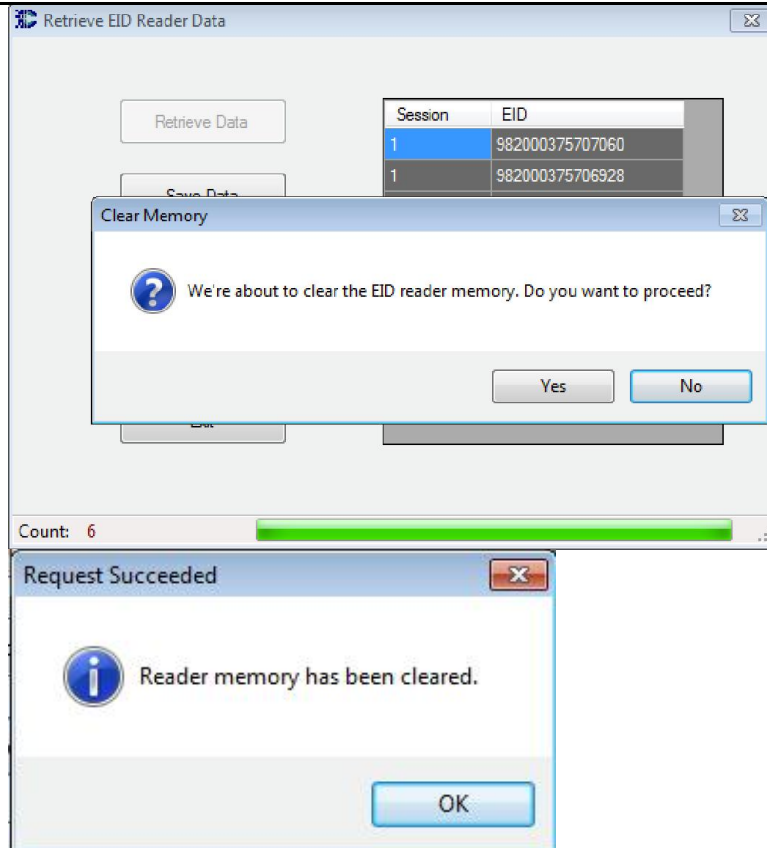
This is extremely useful when processing cattle to have record of the animals that went through the chute to work with later. (For example adding mass breedings, location movements, or treatments). If marked records already exist in the herd file, a notification will appear asking if you would like to “unmark” them first.



5. A “Marking Complete!” message will appear indicating the number of records that were found in Cow Sense with matching EIDs that were then “marked” by Chuteside. Should there be duplicate EIDs stored in the reader’s memory, Chuteside will only mark the record once and account for it once in this tally displayed.

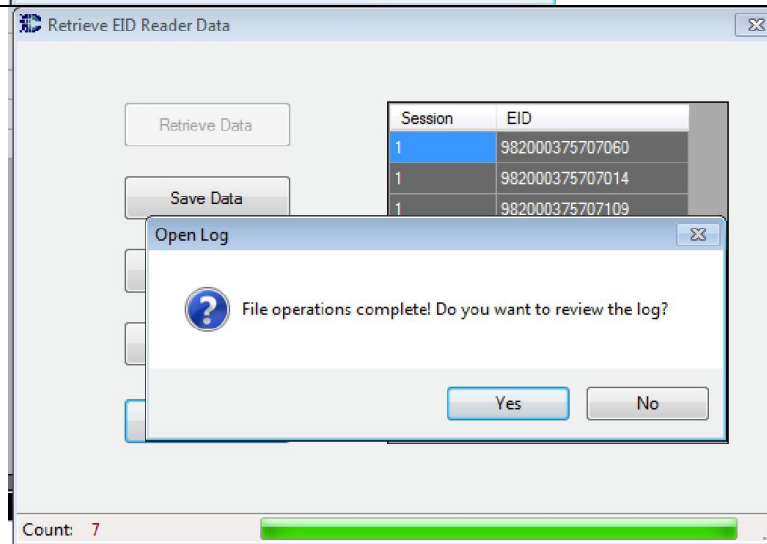


6. After your data have been saved, you may click **Clear Reader** to clear all EID tags saved in the reader's memory and start with a blank file for the next time you process cattle.



NGG_010 - Page: 4 of 9

7. Click **Exit** when finished. A message will appear asking if you would like to review the log listing the animals recorded and marked.



8. The log file is very useful to show the detailed results of the entire process. The summary at the bottom provides the number of EIDs that were read and the number of records that were “marked” in Cow Sense. If that is not the result you were expecting refer to the detail of the animal records listed above that summary.

```

EID_upload - Notepad
File Edit Format View Help
Chuteside v:1.0.86.0602
Log file opened: 6/19/2017 8:42:33 AM
Current herd: C:\Users\Ewagner\Documents\Cow Sense\new sample herd.csh

-----
Trying RS420 Protocol
Send: vib 100 100 1
Response: v"E01I-I-0004b*B-8213C4 1"E01"E01"E01"E01"E01"E01
Send: id
Response: i"I-0004d"E01
Trying RS3x0 Protocol
Send: P
Response: P*Allflex Stick Reader*HW V3.00*SW V5.21*PR V2.45*B-8213C4*S-0C*I-0004*Y-20*H-00*W-05*q-00
The reader is legacy RS3x0

-----
The EID reader is ready to upload:
-----
The reader is RS340
Headers: 1
Total tags: 7
1, 1, 7, SESSION 1, ,
-----
Reading session: 1
Upload complete: 7 EIDs stored

Export to file complete to: C:\Users\Ewagner\Documents\Cow Sense\Export\EID_List_20170619-084321.txt
7 EIDs written

982000375707060: record marked. Visual Tag: RA3108
982000375707014: record marked. Visual Tag: Bourne
982000375707109: record marked. Visual Tag: RA348
982000375706928: record marked. Visual Tag: RA313B
982000375706602: record marked. Visual Tag: RA315B
982000375706759: not found in current herd.
982000375707019: record marked. Visual Tag: RA358
Mark records in herd complete: 7 EIDs read; 6 records updated in the herd
  
```

Scale Indicator:

1. Select the weighing event that you wish to update in Cow Sense from the data collected in the scale indicator (from the list in the center... in this example there is only one session recorded and displayed). Select the **Upload** button to display the list of weight records.

Upload Scale

Map Weight: Live Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Manage..., VID as Calf

Mark

Upload

Status: Ready

2. Next, from the “Map Weight” selection (upper left) select the type of weight you wish to update to the animal records in Cow Sense from the data retrieved from your scale indicator.

Upload Scale

Map Weight: Live Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Manage..., VID as Calf

Mark

Upload

Count: 427

Upload complete! Ready to import.

#	Date	Count	Counter	Weight	Date	VID	EID	Comment
1	2/28/2017	427	864	2/28/2017	509	8400003127195232		
2	2/28/2017	427	606	2/28/2017	628	8400003134072570		
3	2/28/2017	427	606	2/28/2017				
4	2/28/2017	427	680	2/28/2017	663	8400003127199082		
5	2/28/2017	427	940	2/28/2017	448	8400003013402852		
6	3/14/2017	427	886	3/14/2017	550	8400003127199173		
7	3/14/2017	427	690	3/14/2017	617	8400003134072630		
8	2/28/2017	427	690	2/28/2017	515	8400003013403108		
9	3/14/2017	427	928	3/14/2017	426	8400003013402942		
10	2/28/2017	427	792	2/28/2017	535	8400003127199252		
11	3/14/2017	427	758	3/14/2017	647	8400003134072566		
12	2/28/2017	427	946	2/28/2017	918	982000173772072		
13	2/28/2017	427	688	2/28/2017	751	982000173772071		
14	2/28/2017	427	624	2/28/2017	503	8400003127199309		
15	2/28/2017	427	792	2/28/2017	546	8400003127199218		
16	2/28/2017	427	784	2/28/2017				
17	2/28/2017	427	706	2/28/2017	471	8400003013403043		
18	2/28/2017	427	858	2/28/2017	48	982000044272399		

3. Some scale indicators may offer additional field(s) to record management information. If detected in the upload, the available field will be displayed in the data grid (far right). The header or name of the field (if displayed) will vary with the make/model of the scale indicator (in this case “Comment”). This information can also be mapped into a field of your choosing in Cow Sense. The options for doing so are displayed in the “Optional” pane (lower left). To “map” the data displayed in this field by the scale indicator (in this case “Comment”) and update records in Cow Sense,, toggle “on” this function by clicking the box displayed below “Optional”. Then scroll to choose the appropriate field available in Cow Sense. Click on the desired target field to highlight it for mapping.

4. The Mark option provides you the opportunity to toggle “on” the identity marker field in Cow Sense for all animal records found in the file uploaded from the scale indicator. Click the box to the left of “mark” to utilize this feature.

5. After you have made your selections, click the **Import** button. A message will appear confirming your selections. Click **Yes** to proceed with the import if all looks correct.

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Manage..., VID as Calf

Count: 427

Buttons: Upload, Import, Save, Exit

Confirm Import Settings

Current settings for the import are:

File = 1
Count = 427
Wt field = Mature Weight
LID field = Not used
Mark = False

Proceed with import?

Buttons: Yes, No

Counter	Weight	Date	VID	EID	Comment
1	864	2/28/2017	509	840003127199232	
2	606	2/28/2017	628	840003134072570	
3	606	2/28/2017			
4	680	2/28/2017	663	840003127199082	
5	940	2/28/2017	448	840003013402852	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18	858	2/28/2017	48	98200044272399	

Count: 427 Ready to import ...

6. Once the import is complete, review your data. Position your mouse on a row (do not click) to see more details about the import result. Animal records successfully imported will be displayed shaded in green.

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Manage..., VID as Calf

Count: 427

Buttons: Upload, Import, Save, Exit

Counter	Weight	Date	VID	EID	Comment
1	864	2/28/2017	509	840003127199232	
2	606	2/28/2017	628	840003134072570	
3	606	2/28/2017			
4	680	2/28/2017	663	840003127199082	
5	940	2/28/2017	448	840003013402852	
6	886	3/14/2017	550	840003127199173	
7	690	3/14/2017	617	840003134072630	
8	690	2/28/2017	515	840003013403108	
9	928	3/14/2017	426	840003013402942	
10	792	2/28/2017	535	840003127199252	
11	758	3/14/2017	647	840003134072566	
12	946	2/28/2017	918	982000173772072	
13	688	2/28/2017	751	982000173772071	
14	624	2/28/2017	503	840003127199309	
15	792	2/28/2017	546	840003127199218	
16	784	2/28/2017			
17	706	2/28/2017	471	840003013403043	
18	858	2/28/2017	48	98200044272399	

Count: 427 Import complete!

7. Gray shaded rows indicate that the record was skipped because there were no identifiers.

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Manage..., VID as Calf

Count: 427

Buttons: Upload, Import, Save, Exit

Counter	Weight	Date	VID	EID	Comment
1	864	2/28/2017	509	840003127199232	
2	606	2/28/2017	628	840003134072570	
3	606	2/28/2017			
4	680	2/28/2017	663	840003127199082	
5	940	2/28/2017	448	840003013402852	
6	886	3/14/2017	550	840003127199173	
7	690	3/14/2017	617	840003134072630	
8	690	2/28/2017	515	840003013403108	
9	928	3/14/2017	426	840003013402942	
10	792	2/28/2017	535	840003127199252	
11	758	3/14/2017	647	840003134072566	
12	946	2/28/2017	918	982000173772072	
13	688	2/28/2017	751	982000173772071	
14	624	2/28/2017	503	840003127199309	
15	792	2/28/2017	546	840003127199218	
16	784	2/28/2017			
17	706	2/28/2017	471	840003013403043	
18	858	2/28/2017	48	98200044272399	

Count: 427 Import complete!

Import Results: No identifiers, skipping.

8. A row shaded in pink may represent a number of reasons that caused the failure of the data to be imported. Position your mouse over the row to reveal the detail.

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Management, VID as Calf

Count: 427 Import complete!

Counter	Weight	Date	VID	EID	Comment
154	722	3/14/2017	585	840003127195148	
155	855	2/28/2017	1071	98200017372062	
156	828	2/28/2017	202	84000301018603	Import Result: Found 8 records have
157	845	2/28/2017	418	840003013402879	
158	922	2/28/2017	419	840003013402936	
159	940	2/28/2017	64	982000044611681	
160	1125	3/14/2017	21	982000044374662	
161	1160	3/14/2017	312	840003011802285	
162	1000	2/28/2017	959	982000044613468	
163	798	2/28/2017	545	840003013403102	
164	768	2/28/2017	518	840003127195203	
165	820	2/28/2017	1051	982000044671260	
166	942	2/28/2017	68	982000044671059	
167	710	2/28/2017	54	982000044613486	
168	1000	2/28/2017	62	982000044374978	
169	1170	3/14/2017	806	98200017372056	
170	1205	3/14/2017	208	98200017372053	
171	885	2/28/2017	905	982000043267170	

9. A row shaded light orange indicates that "EID not found and VID is missing; not imported", not imported or "VID not found".

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Management, VID as Calf

Count: 427 Import complete!

Counter	Weight	Date	VID	EID	Comment
358	238	4/5/2017	134	840003142132205	
359	223	4/5/2017	179	840003142132212	
360	274	4/5/2017	157	840003142132190	
361	244	4/5/2017	131	840003142132203	
362	331	4/5/2017	118	840003142132205	
363	170	4/5/2017	151	840003142132182	
364	173	4/5/2017	151	840003142132219	
365	266	4/5/2017	162	840003142132210	
366	268	4/5/2017	132	840003142132215	
367	239	4/5/2017	128	840003142132204	
368	1270	4/5/2017		98200017372058	Import Result: EID not found and VID is missing; not imported.
369	1175	4/9/2017			
370	1250	4/25/2017			
371	175	5/3/2017	165	840003142132221	
372	209	5/3/2017	140	840003142132241	
373	218	5/3/2017	149	840003142132227	
374	282	5/3/2017	146	840003142132224	
375	242	5/3/2017	186	840003142132232	

10. When finished importing scale data, select the **Save** button to preserve your log file. By default the file will be saved to the Cow Sense directory in your Documents folder in a folder named Exports. After saving, the option will appear to clear the scale file. Choosing the "Yes" button will clear the data displayed from the memory of the scale indicator. Doing this will create a blank data file to start with the next time you weigh cattle.

Upload Scale

Map Weight: Birth Weight, Weaning Weight, Yearling Weight, Supp 1 Weight, Supp 2 Weight, Mature Weight

Optional: Map Comment, Bull Motility, Bull Morphology, Supp ID, Origin, Weaning Management, VID as Calf

Count: 427 Import complete!

Export Complete: Export file has been saved as: C:\Users\kristi\Documents\Cow Sense\Export\Scale_List_File_20170609-030302.txt. Do you want to clear scale file [Y]? Yes No

11. Select the **Exit** button when finished. A message will appear asking if you would like to review the log listing the animals and results of the data import.

Map Weight

Bull Weight

Weaning Weight

Yearling Weight

Supp 1 Weight

Supp 2 Weight

Mature Weight

Optional:

Map Comment

Bull Mobility

Bull Morphology

Supp ID

Origin

Weaning Manage...

VID as Call

☐ Mark

Upload

Import

Save

Exit

#	Date	Count
1	2/28/2017	427

Counter	Weight	Date	VID	EID	Comment
1	864	2/28/2017	509	840003127199232	
2	606	2/28/2017	628	840003134072570	
3	606	2/28/2017			
4	680	2/28/2017	663	840003127199082	
5	540	2/28/2017	448	840003013402852	
6	886	3/14/2017	550	840003127199173	
7	690	3/14/2017	617	840003134072630	
				84000313403108	
				84000313402942	
				840003127199252	
				840003134072566	
				82000173772072	
				82000173772071	
				840003127199309	
				840003127199218	
15	732	2/28/2017	546	840003134033043	
16	784	2/28/2017			
17	706	2/28/2017	471	840003013403043	
18	858	2/28/2017	48	982000044272399	

Open Log

File operations completed Do you want to review the log?

Yes

No

Count: 427

Import complete!

Scale_upload - Notepad

File Edit Format View Help

@huteside v:1.0.87.0609
 Log file opened: 6/9/2017 2:50:13 PM
 Current herd: C:\Users\kristi\Documents\Cow Sense\QCU Test.csh
 Scale in use: Tru-Test EZiWeigh
 =====
 Initializing ...
 Acknowledgements ON
 Errors ON
 1 sessions
 Ready
 Uploading session: 1
 Available fields: {FBAVID}[DWNWeight][RDDDDate][RTTTime][F1ARFID]
 Upload fields set: {FIDW,F0,F1,RD}
 Uploading from scale ...
 Upload complete! Ready to import.
 Import started ...
 Current settings for the import are:
 File = 1
 Count = 427
 We field = Mature Weight
 LID field = Not used
 Mark = False
 Row 1:
 EID found: 840003127199232
 VID = 509
 Imported OK.
 Row 2:
 EID found: 840003134072570
 VID = 628
 Imported OK.